

Synchronization Conference

5th Signal Command Restructure FY 2006-2007 Initiatives

“In the military, to put it in corporate terms, our product line was now out of date.... I had to restructure in a way so that...the new, smaller, force, with a new mission, had the same quality of efficiency as the larger force and the same morale. And we did that. I saw it as my main mission to move the armed forces onto a new course, one paralleling what was happening in the world today, not one chained to the previous forty years.”

**Gen (Ret) Colin Powell
The Leadership Secrets of Colin Powell
By Oren Harari**

9 May 2006

Agenda

➤ Command Restructure

- Overview
 - Army Signal Organizations
 - Enterprise (USAREUR's portion of the GIG)
- Network Operations & Security Centers (NOSC)
- Dial Central Offices (DCO)
- Dial Service Attendants (DSA)
- Network Service Centers (NCS)
- Single DOIM Concept
- Reducing Hill Top Real Estate

➤ Recovering IT equipment

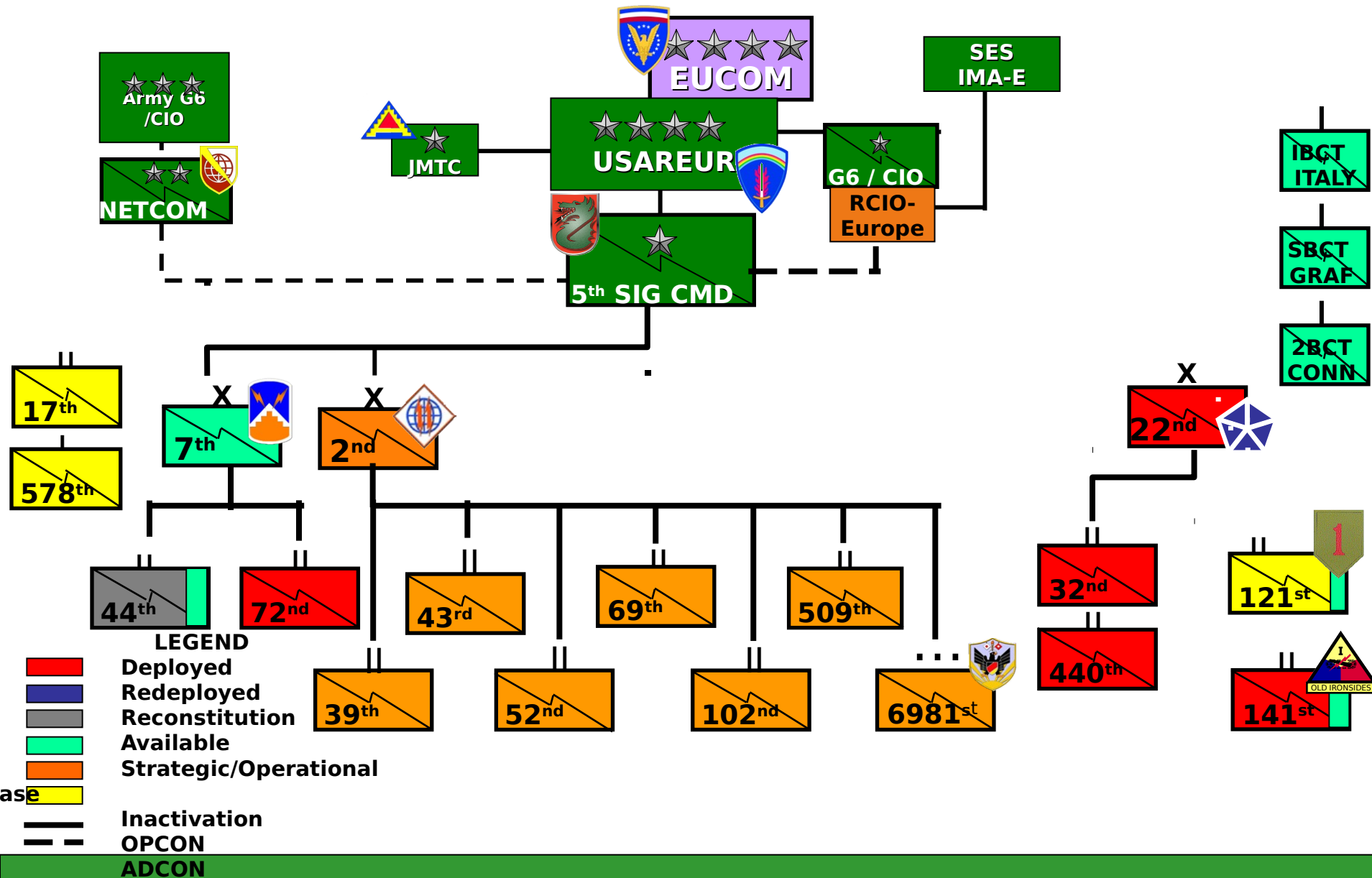
➤ Planning Factors- data and voice requirements

Force Structure Changes

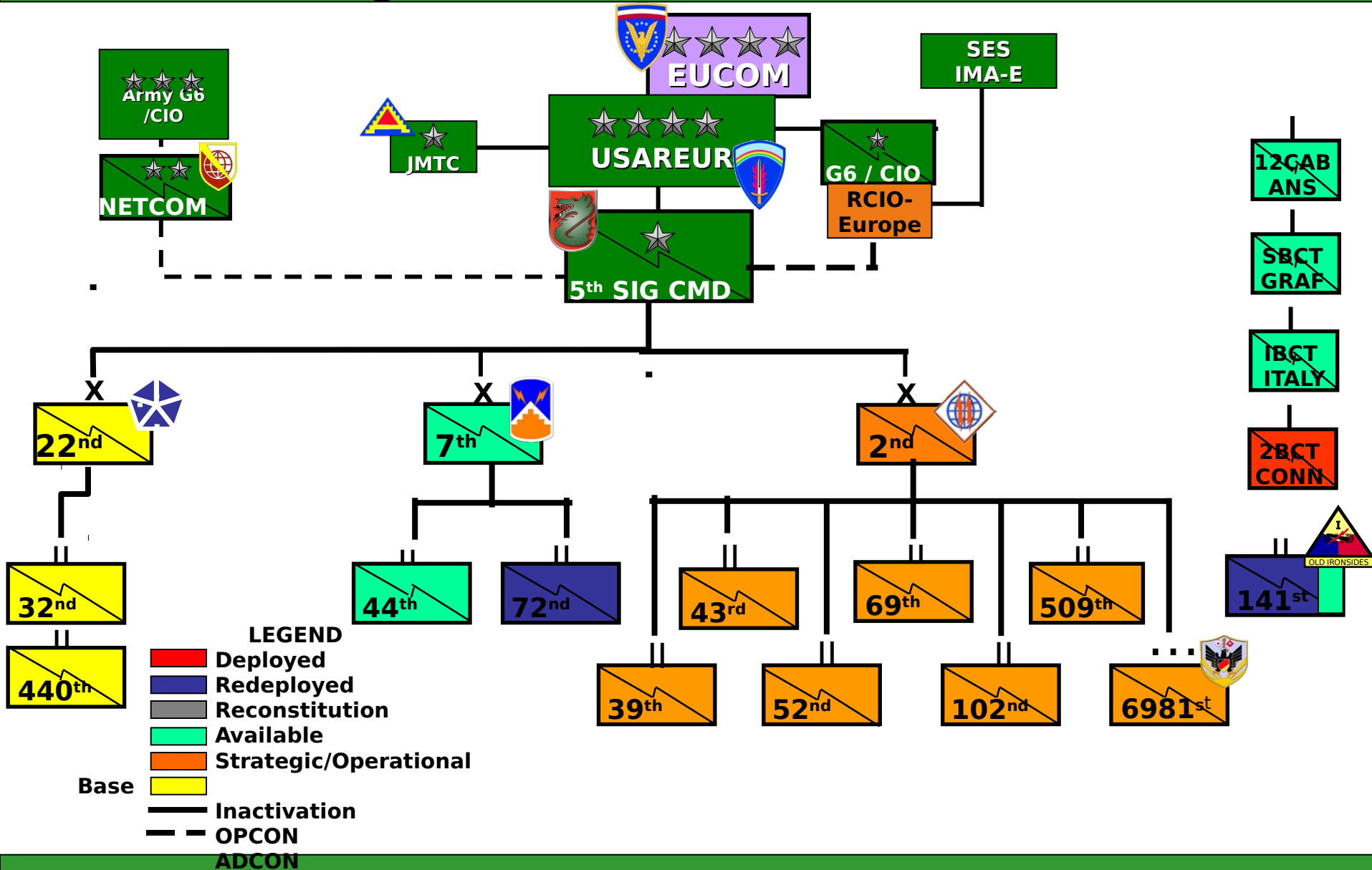
NETCOM issued memorandum directing restructure of European network operations, 2 Feb 2006:

- Stand up new enterprise operations and service capabilities
- Initiate restructure actions to support Army missions in Europe in accordance with Army Knowledge Management Directives.
- Restructure current staff organizations, help desk, system administrator, record message traffic, voice support, and overall operational structure while continuing to provide mission support to the warfighter and tenant units.

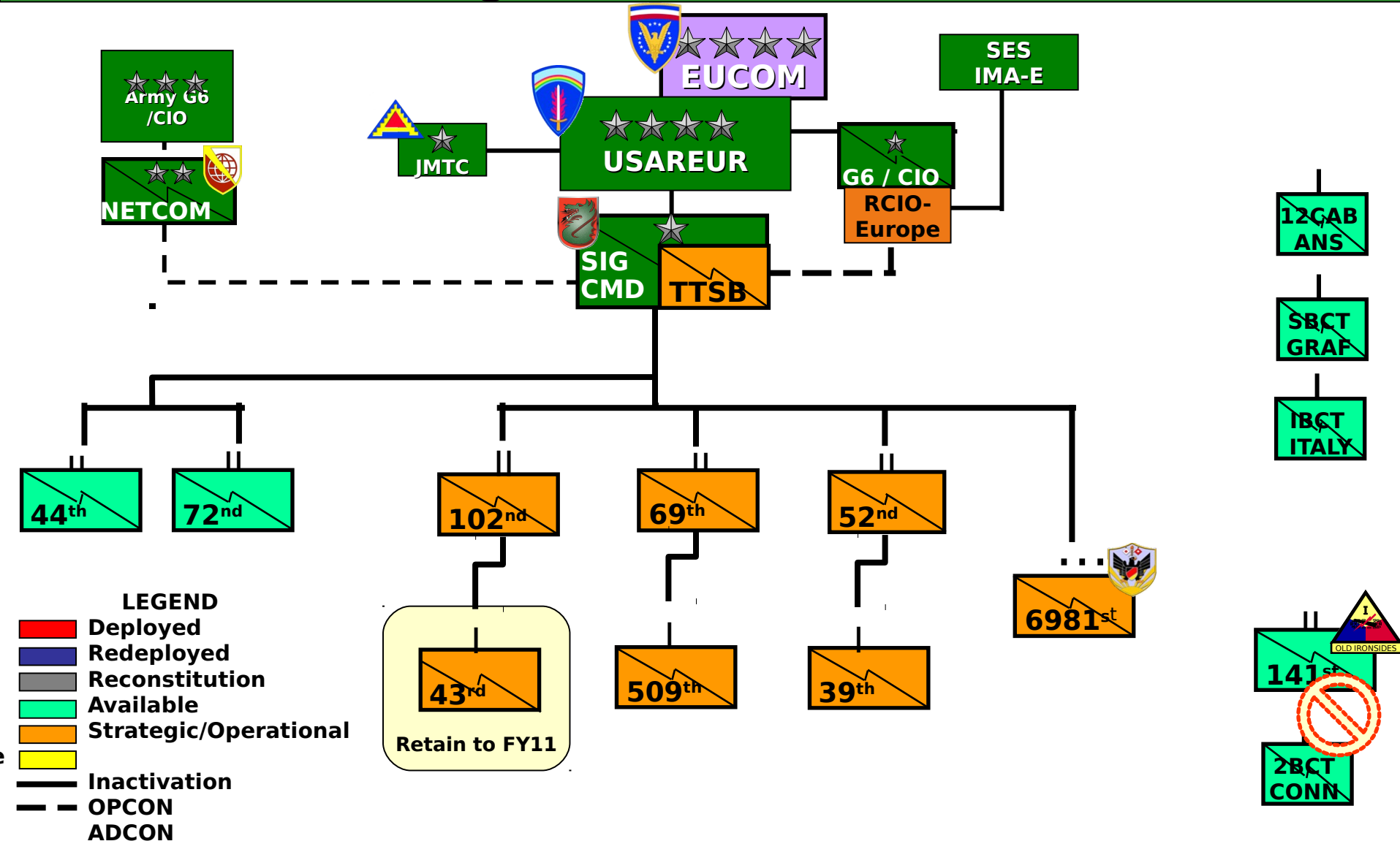
Signal Forces - 3rd QTR FY06



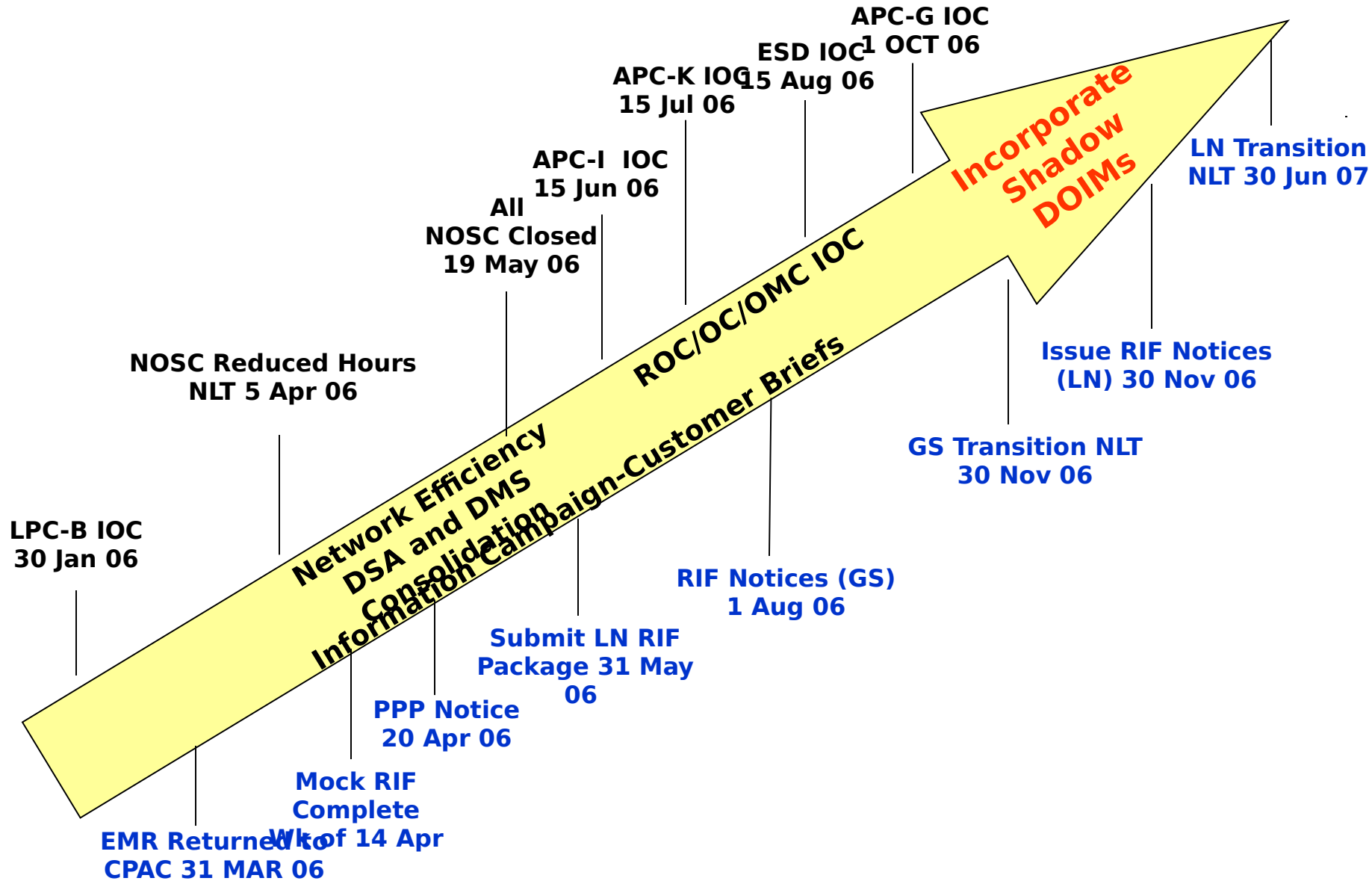
Signal Forces - 1st QTR FY07



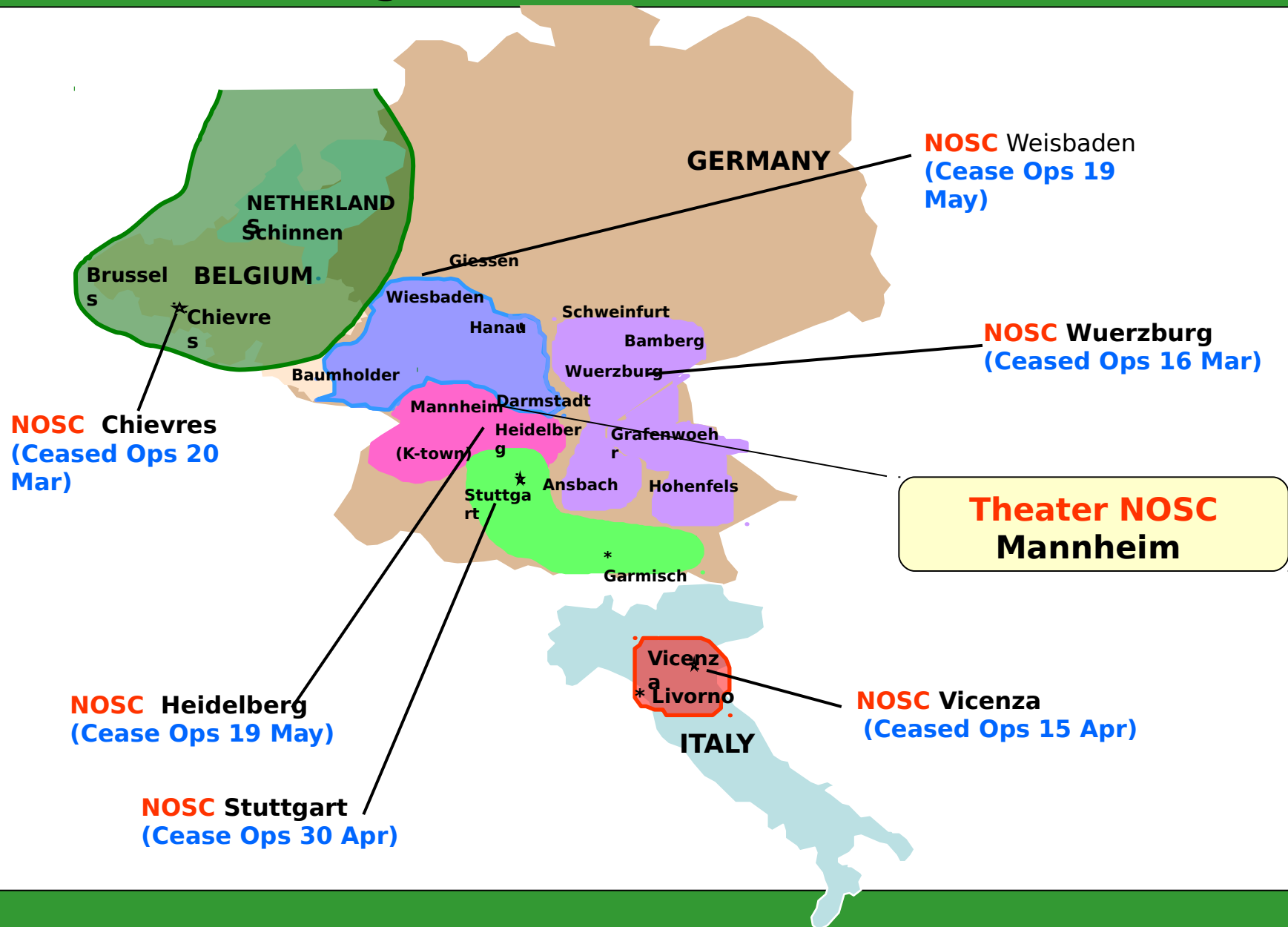
Signal Forces - FY09



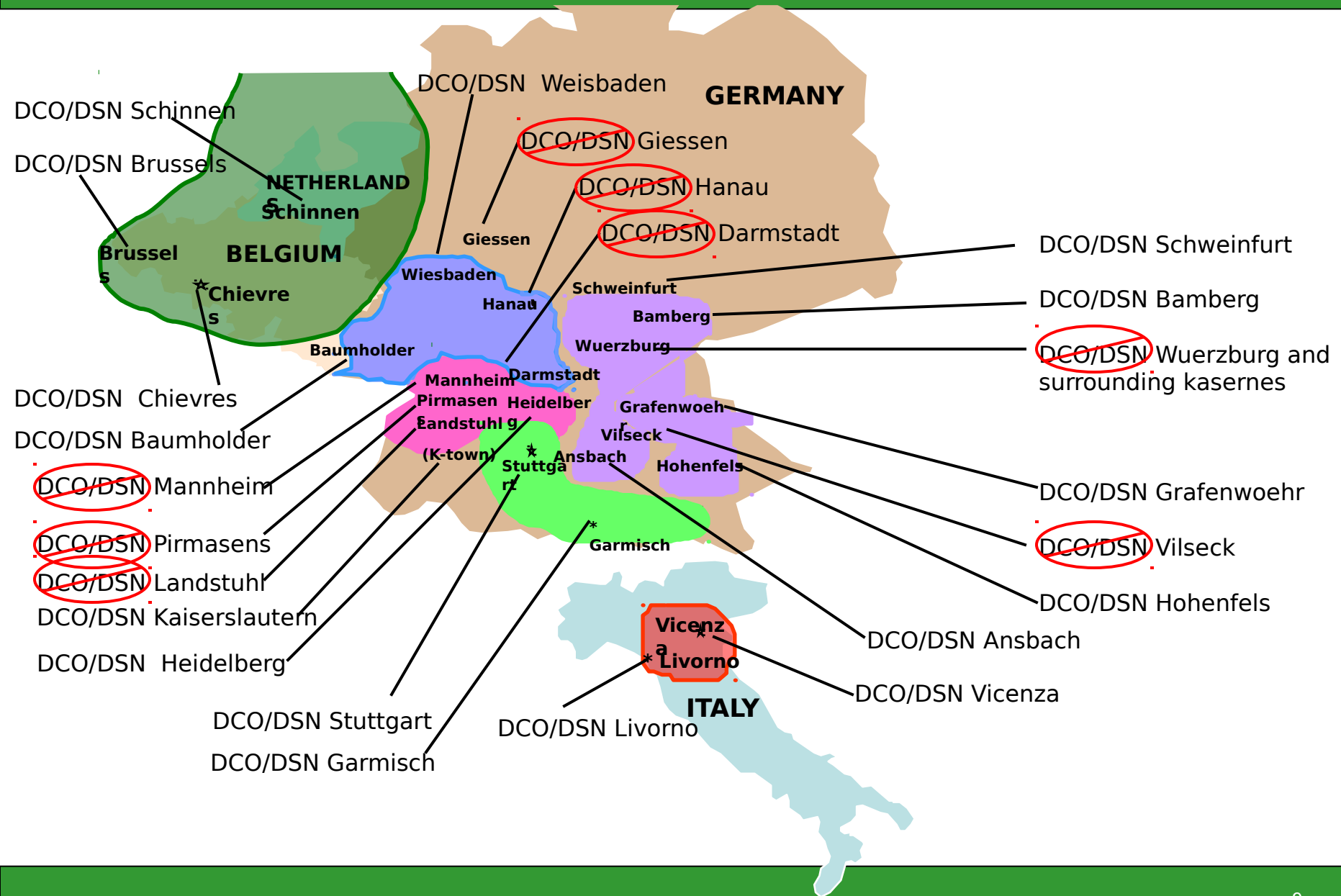
Restructuring Timeline- Strategic



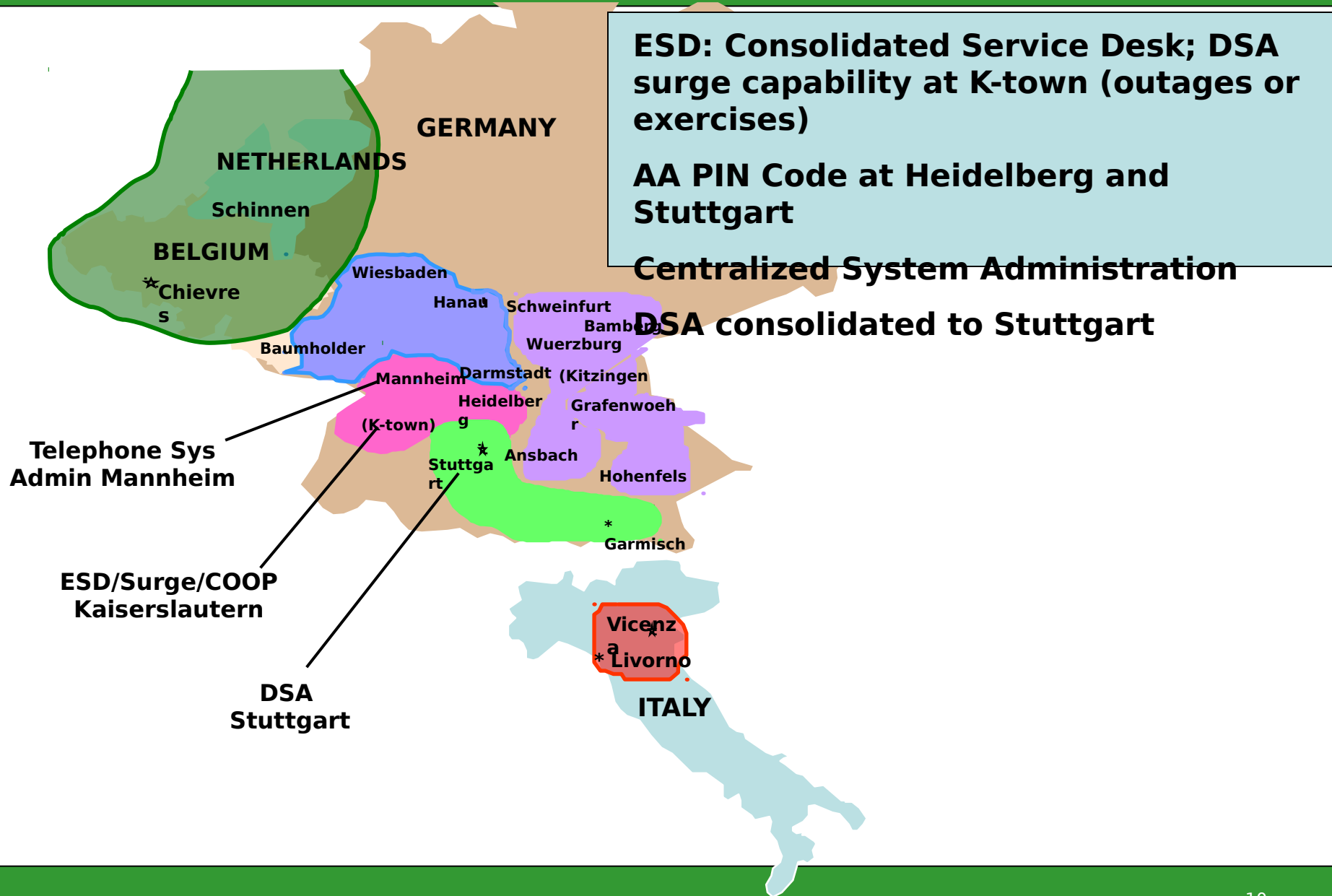
Regional NOSC Reduction



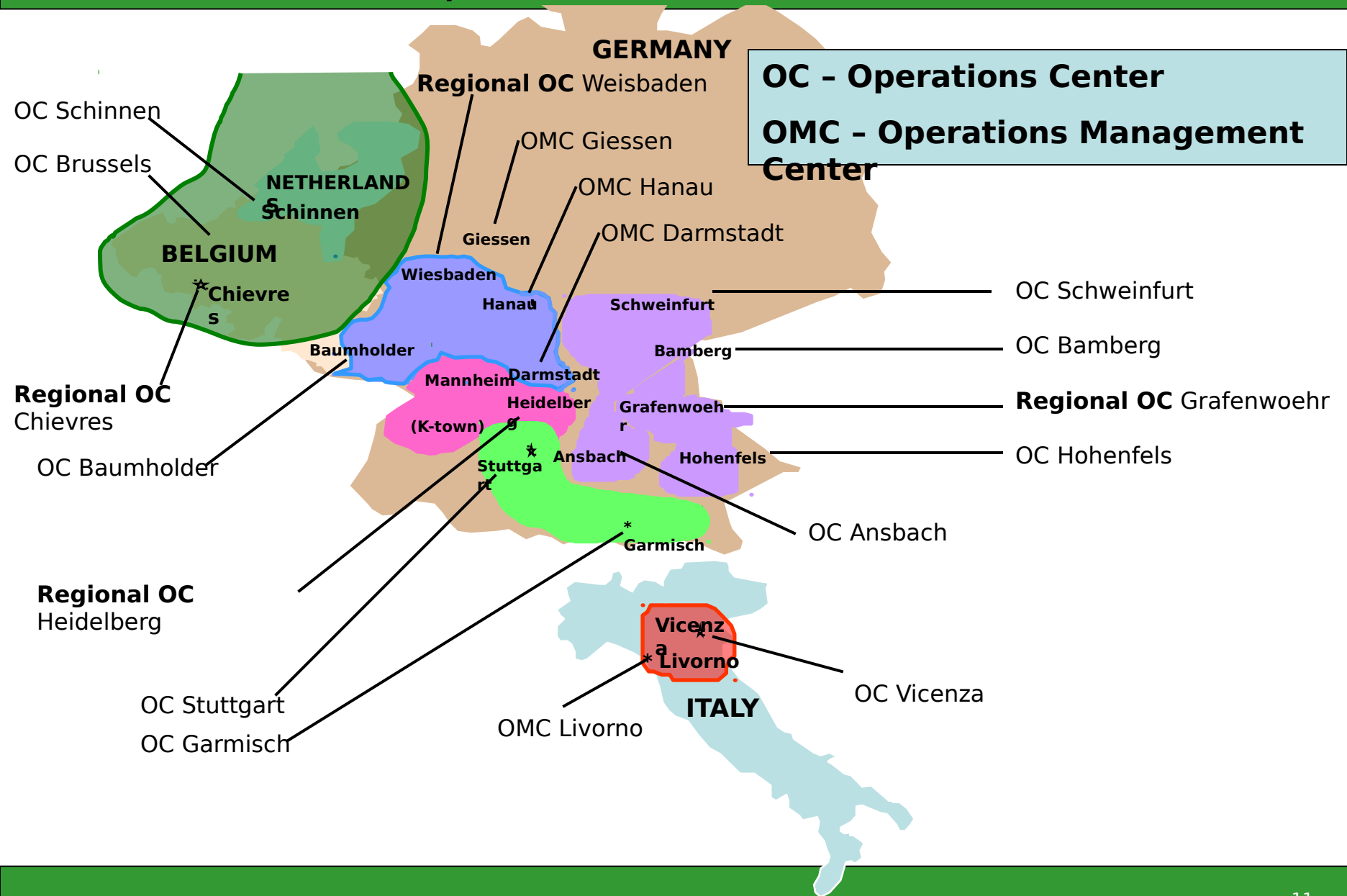
DCO/DSN Reduction



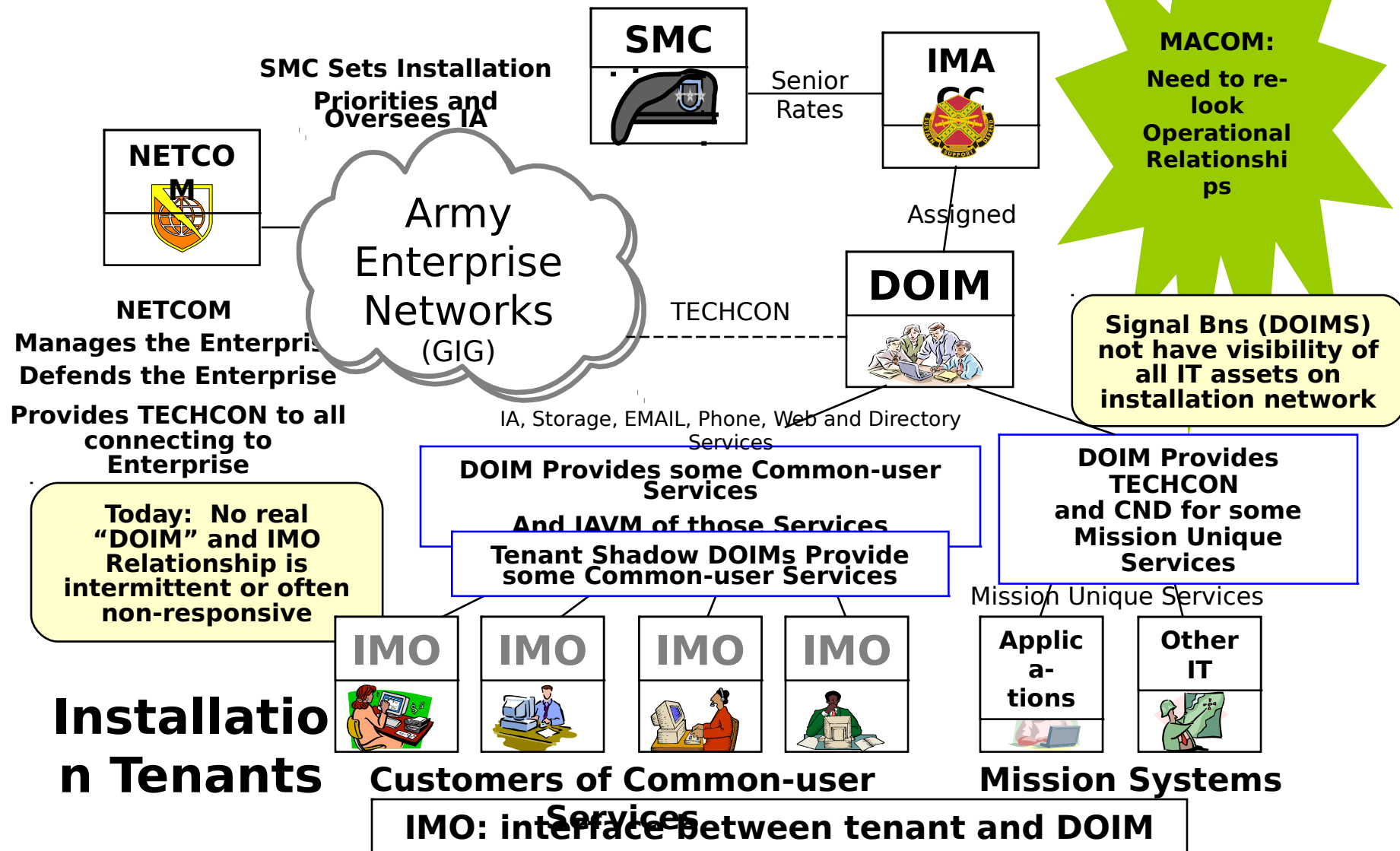
Dial Service Attendant Reduction



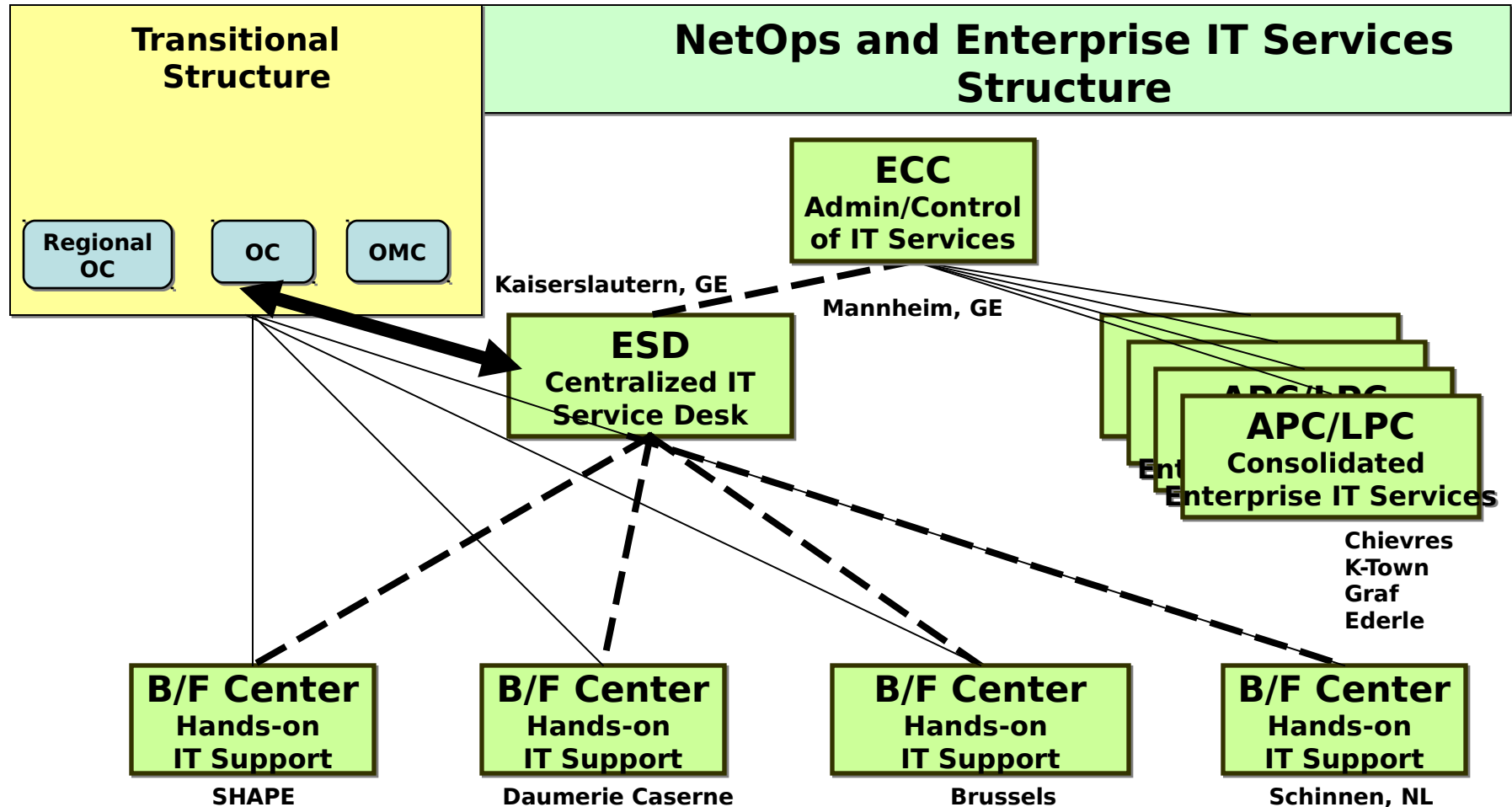
NSC to Operations Centers Conversion



DOIM Relationships - Today

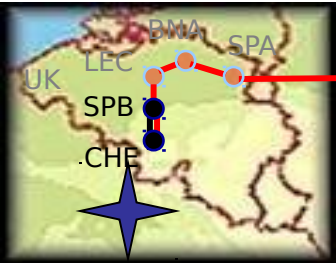


Transition to Single DOIM Concept

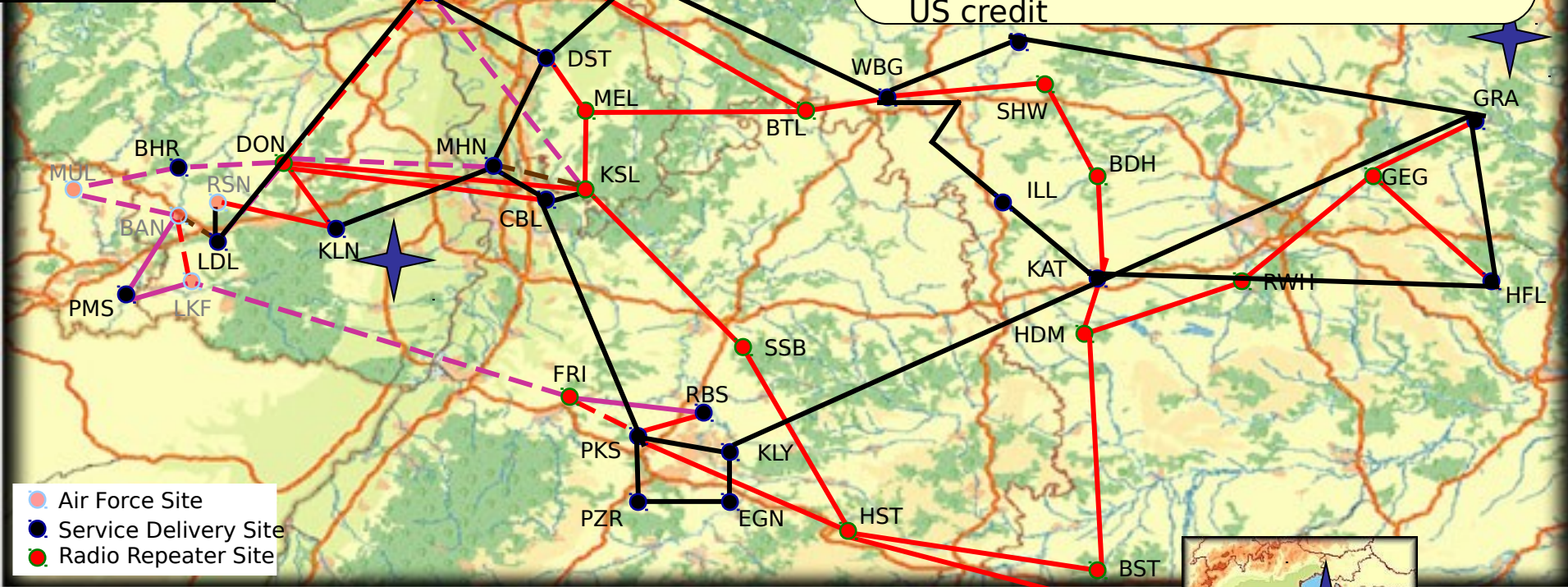


Break/Fix (B/F) Centers provide hands-on IT support to end user IT devices in Installation/Command. B/F personnel come from end user organizations (who maintain ADCON) but are OPCON to the Theater Signal Command.

Getting Rid of Hilltops



- **>30 radio sites** in the EUCOM AOR
- Turn over to HN or Destroy
- Need USAG Cdr's Emphasis on clearing these sites with OSD/UR for US credit



- Air Force Site
- Service Delivery Site
- Radio Repeater Site

- DEB Radio Link - 155MB
- - - Planned DEB Radio Link - 155MB
- USAREUR Fiber Optic
- - - Existing DEB Radio Link - 26MB Pending Upgrade to 155MB
- Existing DEB 26MB Radio Link - No Upgrade Planned

★ Area Processing Center



Take Away

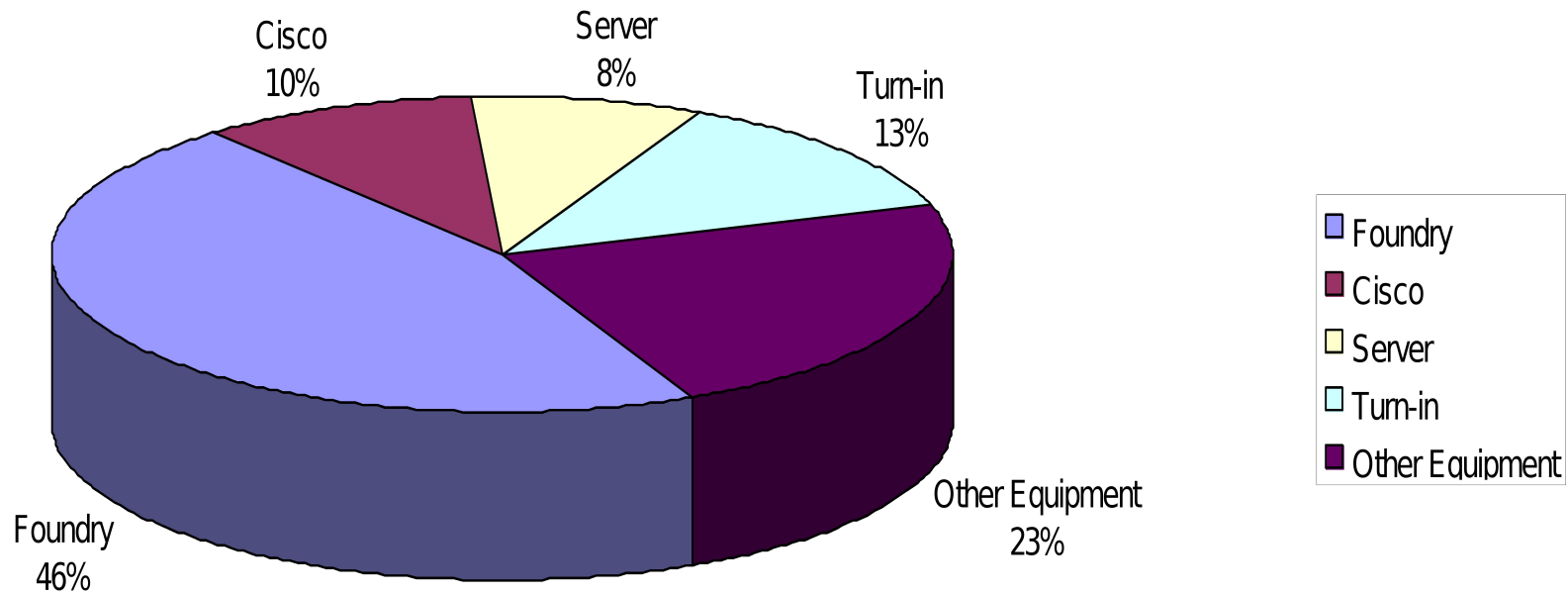
Shaping the future... Paradigm Shift to Enterprise...

- Signal Battalions - be the S6 and CIO for the Garrison Commander
 - Looks like a DOIM, works like a DOIM, talks like a DOIM
 - Be in the USAG rating scheme
 - Provide technical approval for purchases of all IT connecting and operating within the Army Enterprise
 - Create Service Level Agreements (SLA) in regards to OC - Break Fix Center OPCON
- Theater Signal Support
 - Provide and manage common-user C4IM services for installation tenants
 - Maintain the installation IT infrastructure and GIG standards
 - Perform Theater NetOps (NM, IA, IDM/CM)
 - Provide implementation support for PM and functional systems fielded on the installation
 - Maintains currency of operating system and standard office software for connected devices (distributes upgrades)
 - Provides technical advice and TECHCON to all mission-unique systems

Purpose

- Provide overview of recoverable communications equipment due to Round 37 announcement.
 - Locations include Harvey, Larson, Faulenberg, Giebelstadt, Schwanberg and Brandhof.

Recoverable Equipment



- Eighty-seven percent of data equipment re-useable.

Back up Slides

Back-Up Slide

Detailed Equipment List

Foundry Equipment - Re-useable	
BI 8000	15
BI 4000	22
FES 2402	26
FES 4802	8
FES 9602	5
FastIron WG SW	1
FastIron II	1

Cisco Equipment - Re-useable	
Cisco RPS	5
Cisco 3600	6
Cisco 7200	3
Cisco 7513	1
Cisco 3000 VPN	1
Cisco Content Engine 560	1

Server Equipment - Re-useable	
Dell PowerEdge Servers	4
IBM 345	4
Sun Ultra 5 Server	3
Flat Panel Monitor	3

Other Equipment - Re-useable	
NBASE Nest	4
Single NBASE	3
Pairgain Nest	21
UPS	5
Sniffer	1
Misc Cables, Cards, etc..	5

Turn-in Equipment	
Cisco 2500	9
Cabletron	12
Cisco Fast Hub 400	1

Purpose

- **Provide Baseline Communication's Cost Formulas**
- **Provide Baseline Communication's Communications Infrastructure Estimates - Brigade and Battalion Headquarters' Buildings**

Planning Factors

- **ICDS FORMULA:**

**Bldg Sq Ft divided by 80 Sq Ft, multiplied by
Euro 550,
multiplied by \$ Conversion Rate, multiplied
by 2% = Cost Estimate
(Cost includes installation of Cabinet, Patch
Panels and CAT 6 Cable)**

**EXAMPLE: 100 Dual Outlets Cost: \$ 66,550.
+ 2% Contract Fee)**

- **ANIPRNet Equipment:**

- **48 Port LAN Switch: \$ 6,300.**
- **96 Port LAN Switch: \$ 11,000.**

Planning Factors

- **SIPR PDS FORMULA:**

**PDS Connections required, multiplied by \$ 3,000 =
Cost Estimate.**

**(Cost includes the installation of metal conduit
back to the SIPR Cabinet with Pull Boxes,
Cabinet, Patch Panels, Outlets and Fiber Optic
Cabling plus 2% Contract Fee.)**

- **ASIPRNET Equipment Suite:**
24 Port SIPR Switch, w/ Required Equip: \$6,500.
- **ASIPRNet TACLANE Encryption Devices:**
2 Each Required: \$ 21,500
- **SAFE/SECURE ROOM:** X09 Lock & A/C \$ 14,000

Planning Factors

- **ASIPR Harden Carrier Distribution System:**

Connectivity at 250 Meters from User Bldg to ASIPRNet Kaserne Node using nearest SIPR Manhole: \$175,000 Complete. (Contractor)

- **Digital Telephones w/ Switch Card:**

**1 Each Telephone Package: \$ 8,360
(Consists of : 1 Ea 16 Port EWSD Telephone Switch Card w/ 16 Ea CENSET ISDN Digital Telephones.)**

Planning Factors

BRIGADE HQ BUILDING

Cost

Estimate:

- 1. Internal Cable Distribution System (ICDS):
\$ 160.0K**
- 2. ANIPR Network Equipment:
\$ 22.0K**
- 3. ASIPR Network Equipment Suite: (w/ Safe)
\$ 20.5K**
- 4. ASIPR Encryption Devices:
\$ 21.5K
(TACLANE Used - HCDS Not Available)**
- 5. ASIPR Protected Distribution System (PDS to 10
Users) \$ 30.0K**
- 6. ASIPR Hardened Carrier Distribution System:
\$ 0.0K**

(Connectivity at 250 Meter Distance = \$175K)

Planning Factors

BATTALION HQ BUILDING

Cost

- 1. Internal Cable Distribution System (ICDS): \$ 130.0K**
 - 2. ANIPR Network Equipment: \$ 17.3K**
 - 3. ASIPR Network Equipment Suite (w/ Safe): \$ 20.5K**
 - 4. ASIPR Encryption Devices: \$ 21.5K
(TACLANE Used - HCDS Not Available)**
 - 5. ASIPR Protected Distribution System (PDS to 5 Users) \$ 15.0K**
 - 6. ASIPR Hardened Carrier Distribution System: \$ 0.0K
(Connectivity at 250 Meter Distance = \$175K)**
 - 7. SIEMENS Digital Telephones w/ Switch Cards: (55 Ea)
\$ 29.3K**
- TOTAL: \$ 233.6K**